

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Confirmation No.:

KHOMYNETS, Zinoviy Dmitrievich

Art Unit:

S. N.

Examiner:

International Application No.: PCT/RU04/000239

U.S. Filed: May 7, 2006

International Filing Date: 22 June 2004

For: WELL JET DEVICE AND THE OPERATING METHOD THEREOF FOR  
LOGGING HORIZONTAL WELLS

PRELIMINARY AMENDMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Please make the following amendments to this application  
prior to examination thereof:

Specification amendments begin on page 2 of this document.

Remarks begin on page 4 of this document.

In the Specification:

After page 9, please insert the following Abstract of the Disclosure, as a new page 10:

ABSTRACT OF THE DISCLOSURE

The inventive well jet device comprises a packer arranged on a tubing string, a jet pump in whose body a nozzle and mixing chamber are arranged and a stepped through channel is embodied and a sealing unit which is provided with an axial channel and mountable in said stepped channel. A flexible tube with a logging device for measuring physical quantities which is arranged on the lower end thereof is passed through the axial channel of the sealing unit in such a way that it is movable with respect thereto. The packer releasing is carried out when a specified depth is attained. The logging device is run into the well and arranged in production formation areas by means of said flexible tube. During downwards running, a sealing unit is mounted in the through channel of the jet pump and the background values of physical parameters of the productive formations are recorded. Afterwards, a fluid working medium is supplied to the jet pump nozzle, thereby forming a series of different-value depressions in the under-packer space. A well flow rate is measured for each depression value. Afterwards, the physical parameters of the production formations and formation fluid are measured. The logging device is raised on the surface and the tubing string,

together with the jet pump and the released packer, is extracted. Said invention makes it possible to intensify surveying, testing and preparatory work and to improve the operational reliability of the well jet device.

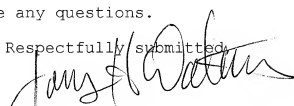
REMARKS

Entry of the above amendment prior to Examination is respectfully requested.

These amendments are merely of editorial nature, to add the abstract of the disclosure. This abstract is the PCT publication abstract.

The Examiner is asked to contact applicant's attorney at 503-224-0115 if there are any questions.

Respectfully submitted,

  
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Certificate of Electronic Filing

I hereby certify that this Preliminary amendment is being electronically filed with the U.S. Patent and Trademark Office, Commissioner for Patents, P.O. Box 1450, Alexandria, VA. 22313-1450, on May 7, 2006.

  
James H. Walters